

## ABSTRACT OF THE INVENTION

The invention is a polymer system used in the formation of thick polymer sheets. The polymer system has a substitution of syndiotactic polypropylene, 5 syndiotactic ethylene propylene copolymer or poly-1-butene for the typical isotactic polypropylene. These substitutions are present in the amount of at least 20% by weight of the total polymer content. The polymer sheet may be filled or unfilled.